

ROCKY FLATS PLANT  
EMD OPERATING  
PROCEDURES MANUAL

Manual No.: 5-21000-OPS-GT  
Procedure No.: Table of Contents, Rev 11  
Page: 1 of 3  
Effective Date: 12/20/91  
Organization: Environmental Management

THIS IS ONE VOLUME OF A SIX VOLUME SET WHICH INCLUDES:

VOLUME I: FIELD OPERATIONS (FO)

VOLUME II: GROUNDWATER (GW)

VOLUME III: GEOTECHNICAL (GT)

VOLUME IV: SURFACE WATER (SW)

VOLUME V: ECOLOGY (EE)

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CONTROLLED DOCUMENT  
EG&G — ROCKY FLATS PLANT  
ENVIRONMENTAL MANAGEMENT DEPARTMENT

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ADMIN RECORD

REVIEWED FOR CLASSIFICATION/UCN

By F. J. Curran U-UV

Date 1-6-92  
A-SW-001098

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DCN 91.04	Depth of casing emplacement	1	12/17/91
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DCN 91.01	Core barrel decontamination	1	10/22/91
DCN 91.02	Clarification of measuring tape decontamination requirements	1	10/29/91
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DCN 91.01	Surface casing classification	1	10/22/91
GT.06	Monitoring Wells and Piezometer Installation	1	08/30/91
DCN 91.01	Industry Standard is 1 foot into Bedrock	1	10/15/91
DCN 91.02	For the Sitewide Program, Claystone Smearing does not seem to be a problem	1	10/15/91
DCN 91.03	Superseded by DCN 91.06	1	11/08/91
DCN 91.04	Low Alluvial thickness wells	1	11/06/91
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DCN 91.09	Sampling with center bit drilling	1	12/03/91

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GT.07	Logging and Sampling of Test Pits and Trenches	1	8/30/91
GT.08	Surface Soil Sampling	1	8/30/91
DCN 91.01	Clarification supplementation of GT.08 - Surface Soil Sampling	1	11/26/91
GT.09	Soil Gas Sampling and Field Analysis	1	8/30/91
GT.10	Borehole Clearing	1	8/30/91
GT.11	Plugging and Abandonment of Wells	1	8/30/91
GT.15	Geophysical Borehole Logging	1	8/30/91
DCN 91.01	No Hole will be left Unlogged at the end of the day	1	10/15/91
GT.17	Land Surveying	1	8/30/91
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GT.19	Field Gas Chromatographs	1	8/30/91
GT.20	Procedures for Soil Interstitial Water Sampling and Sampler Installation	1	8/30/91

# ENVIRONMENTAL MANAGEMENT DOCUMENT CHANGE NOTICE (DCN)

Procedure Number 5-21000-OPS-GT.3 Rev. 1

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Title <b>Isolating Bedrock from Alluvium with Grouted Surface Casing</b>		Date <b>12-16-91</b>	DCN Number <b>S-21000-OPS-GT.3</b> <i>91.04</i>
Expires <u>3/17/92</u>		Procedure Revision Required <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
Scope Limitation <u>none</u>			

  

Item Number	Page	Step or Paragraph	Changes (Use DCN CONTINUATION SHEET for Additional Space)
1	6 of 9	paragraph 2	<p>Replace the last two sentences with:            "Based on field experience at RFP, casing may be emplaced to depths of up to 60 feet in highly weathered or fractured bedrock to ensure a good seal."</p> <div style="text-align: center; padding: 20px;"> <p>This is a  <b>CONTROLLED DOCUMENT</b>            EG&amp;G — ROCKY FLATS PLANT            ENVIRONMENTAL MANAGEMENT DEPARTMENT            This is a RED Stamp</p> </div>

  

**Justification (Reason for Change – Provide Numbers To Reference Corresponding Items Above)**

Severe weathering and fracturing have been encountered in many of the boreholes to depths of 40 to 50 feet. When surface casing is emplaced in weathered or fractured bedrock, the seal is easily broken allowing drilling fluids to circulate between bedrock and alluvium.

  

Concurrence	Organization	Req	Date	Concurrence	Organization	Req	Date
<i>[Signature]</i>	QAPM	X	12/17/91	<i>[Signature]</i>	User	X	12/16/91
<i>[Signature]</i>	EOM	X	12/16/91				

  

Approval of Responsible Manager <i>[Signature]</i>	Date <b>12/16/91</b>	Is Posting Req'd? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	If Yes, By What Date?	Date Posted
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